

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
23 October 2003 (23.10.2003)

PCT

(10) International Publication Number
WO 03/088655 A1(51) International Patent Classification⁷: H04N 5/44,
5/445, G06F 3/00, 13/00

(21) International Application Number: PCT/US03/09880

(22) International Filing Date: 31 March 2003 (31.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/370,561 5 April 2002 (05.04.2002) US

(71) Applicant (for all designated States except US): MAT-SUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MA, Yue [US/US];

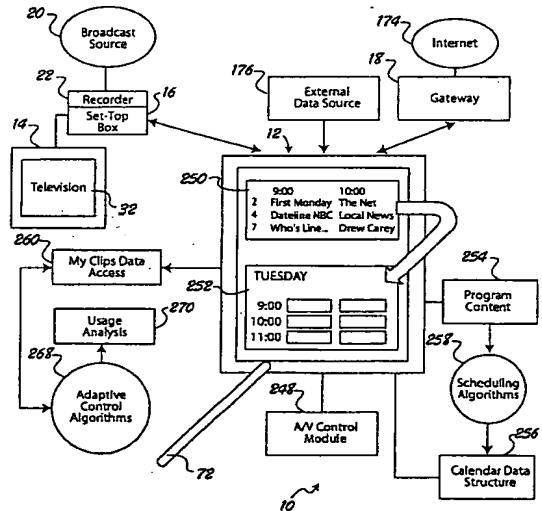
6 Tiffany Ct., West Windsor, NJ 08550 (US). CHANG, Chieh-Chung [—/US]; 1702 Pheasant Run, Monmouth Jct., NJ 08852 (US). WILKES-GIBBS, Deanna [US/US]; 135 Greenmeadow Way, Palo Alto, CA 94306 (US). FISH, Robert, S. [US/US]; 83 Cottage Place, Gillette, NJ 07933 (US). BRAUN, David Alan, [US/US]; 2 Mabro Dr., Denville, NJ 07834 (US).

(74) Agents: STOBBS, Gregory, A. et al.; HARNESS, DICKEY & PIERCE, P.L.C., P. O. Box 828, Bloomfield Hills, MI 48303 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: HANDHELD DEVICE THAT INTEGRATES PERSONAL INFORMATION MANAGEMENT WITH AUDIO/VIDEO CONTROL



(57) Abstract: A handheld device (12) integrates personal information scheduler (252) with a program list view (250) selection and operation of a wide variety of media devices. Specifically, the handheld device (12) includes a database containing program content downloaded during the vertical blanking interval (VBI) or from the Internet (174). Viewing the EPG database and personal calendar simultaneously, the user incorporates program into his/her personal schedule for viewing or recording. Further, the device is capable of analyzing usage patterns to set defaults of the handheld device, and other devices under its control, according to user preferences.

WO 03/088655 A1

BEST AVAILABLE COPY